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OM protein - protein search, using sw model

Run on: August 9, 2002, 20:02:17 ; Search time 13.05 Seconds  
(Without alignments)  
194.656 Million cell updates/sec

Title: US-09-622-613a-2  
Perfect score: 576  
Sequence: 1 ODMLTFQKKHNLTRDVDCN.....TFCVTCENQAPVHFVGCGHC 104

Scoring table:

BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 231628 seqs, 24425594 residues

Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Issued\_patents\_AA: \*  
1: /cgn2\_6/ptodata/2/1aa/5A.COMB.pep: \*  
2: /cgn2\_6/ptodata/2/1aa/5B.COMB.pep: \*  
3: /cgn2\_6/ptodata/2/1aa/6A.COMB.pep: \*  
4: /cgn2\_6/ptodata/2/1aa/6B.COMB.pep: \*  
5: /cgn2\_6/ptodata/2/1aa/PTUS.COMB.pep: \*  
6: /cgn2\_6/ptodata/2/1aa/backfile1.pep: \*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	549	95.3	104	1 US-08-467-955-2	Sequence 2, Appli
2	547	95.0	104	4 US-09-394-268-1	Sequence 1, Appli
3	547	95.0	129	3 US-08-875-811-63	Sequence 63, Appli
4	547	95.0	379	3 US-08-875-811-43	Sequence 43, Appli
5	544	94.4	104	1 US-08-283-971-1	Sequence 1, Appli
6	544	94.4	104	1 US-07-921-619-1	Sequence 1, Appli
7	544	94.4	104	1 US-08-467-955-1	Sequence 1, Appli
8	544	94.4	104	2 US-08-891-848-13	Sequence 13, Appli
9	544	94.4	105	3 US-08-875-811-39	Sequence 39, Appli
10	544	94.4	355	3 US-08-875-811-41	Sequence 41, Appli
11	544	94.4	358	3 US-08-875-811-51	Sequence 51, Appli
12	542	94.1	104	3 US-08-875-811-1	Sequence 1, Appli
13	542	94.1	106	3 US-08-875-811-28	Sequence 28, Appli
14	542	94.1	117	3 US-08-875-811-30	Sequence 30, Appli
15	542	94.1	112	3 US-08-875-811-32	Sequence 32, Appli
16	542	94.1	251	3 US-08-875-811-59	Sequence 59, Appli
17	542	94.1	254	3 US-08-875-811-61	Sequence 61, Appli
18	542	94.1	355	3 US-08-875-811-49	Sequence 49, Appli
19	542	94.1	355	3 US-08-875-811-57	Sequence 57, Appli
20	542	94.1	355	3 US-08-875-811-64	Sequence 64, Appli
21	542	94.1	366	3 US-08-875-811-55	Sequence 55, Appli
22	539	93.6	104	4 US-09-394-268-2	Sequence 2, Appli
23	537	93.2	105	3 US-08-875-811-24	Sequence 26, Appli
24	537	93.2	105	3 US-08-875-811-26	Sequence 45, Appli
25	533	92.5	358	3 US-08-875-811-45	Sequence 53, Appli
26	533	92.5	365	3 US-08-875-811-53	Sequence 53, Appli
27	518	89.9	107	3 US-08-875-811-20	Sequence 20, Appli

28	481	83.5	360	3 US-08-875-811-47	Sequence 47, Appli
29	474.5	82.4	111	3 US-08-875-811-22	Sequence 22, Appli
30	436	75.7	83	3 US-08-875-811-2	Sequence 2, Appli
31	288	50.0	111	2 US-08-891-848-12	Sequence 12, Appli
32	288	50.0	111	3 US-08-875-811-8	Sequence 8, Appli
33	214.5	37.2	114	4 US-09-223-118-4	Sequence 4, Appli
34	202.5	35.2	114	4 US-09-223-118-2	Sequence 2, Appli
35	201.5	35.0	114	4 US-09-223-118-1	Sequence 1, Appli
36	199.5	34.6	114	4 US-09-223-118-3	Sequence 3, Appli
37	153.5	26.6	169	1 US-08-441-629-2	Sequence 2, Appli
38	153.5	26.6	169	3 US-08-776-207-2	Sequence 2, Appli
39	153.5	26.6	169	5 PCT-US95-09172-2	Sequence 2, Appli
40	137	23.8	28	3 US-08-875-811-3	Sequence 3, Appli
41	136	23.6	28	3 US-08-875-811-5	Sequence 5, Appli
42	125	21.7	124	1 US-08-441-629-5	Sequence 5, Appli
43	125	21.7	124	3 US-08-776-207-5	Sequence 5, Appli
44	125	21.7	124	5 PCT-US95-09172-5	Sequence 5, Appli
45	124	21.5	125	2 US-08-891-848-16	Sequence 16, Appli

ALIGNMENTS

RESULT 1  
US-08-467-955-2  
; Sequence 2, Application US/08467955  
; Patent No. 5728805  
GENERAL INFORMATION:  
APPLICANT: Ardelt Ph.D. Wojciech J.  
TITLE OF INVENTION: PHARMACEUTICALS AND METHOD FOR MAKING THEM  
NUMBER OF SEQUENCES: 2  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Mark H. Jay, P.A.  
STREET: P.O. Box E  
CITY: Short Hills  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07078-0383  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.24  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/467,955  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/178,118  
FILING DATE: 06-APR-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/436,141  
FILING DATE: 13-NOV-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/814,332  
FILING DATE: 03-FEB-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/283,970  
FILING DATE: 01-AUG-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Jay, Mark H.  
REGISTRATION NUMBER: 27507  
REFERENCE/DOCKET NUMBER: 5007 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-912-9066  
TELEFAX: 201-912-0442  
TELEX: NO. 5728805 Applicable  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 104 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear

MOLECULE TYPE: protein  
HYPOTHETICAL: N  
ANTI-SENSE: N  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: Rana pipiens  
DEVELOPMENTAL STAGE: Oocyte  
US-08-467-935-2

Query Match 95.3%; Score 549; DB 1; Length 104;  
Best Local Similarity 95.2%; Pred. No. 1.2e-59;  
Matches 99; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 QDWLTFQKKHLLNTRDVDCNIIIMSTNLFHCKDKNFTIYSRPEPVKAICKGIASKNVLT 60  
DB 1 EDWLTQKKHLLNTRDVDCNIIIMSTNLFHCKDKNFTIYSRPEPVKAICKGIASKNVLT 60  
QY 61 SEFYLSDCNVTSRPCKYKLLKSTNFCVTCENAPVHFVGVC 104  
DB 61 SEFYLSDCNVTSRPCKYKLLKSTNFCVTCENAPVHFVGVC 104

RESULT 2  
US-09-394-268-1  
Sequence 1, Application US/09394268  
Patent No. 6175003  
GENERAL INFORMATION:  
APPLICANT: Saxena, Shalendra K  
TITLE OF INVENTION: NUCLEIC ACIDS ENCODING RIBONUCLEASES AND METHODS OF  
FILE REFERENCE: 5013  
CURRENT APPLICATION NUMBER: US/09/394,268  
CURRENT FILING DATE: 1999-09-10  
NUMBER OF SEQ ID NOS: 8  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 1  
LENGTH: 104  
TYPE: PRT  
ORGANISM: Rana pipiens  
US-09-394-268-1

Query Match 95.0%; Score 547; DB 4; Length 104;  
Best Local Similarity 95.2%; Pred. No. 2.2e-59;  
Matches 99; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 QDWLTFQKKHLLNTRDVDCNIIIMSTNLFHCKDKNFTIYSRPEPVKAICKGIASKNVLT 60  
DB 1 QDWLTFQKKHLLNTRDVDCNIIIMSTNLFHCKDKNFTIYSRPEPVKAICKGIASKNVLT 60  
QY 61 SEFYLSDCNVTSRPCKYKLLKSTNFCVTCENAPVHFVGVC 104  
DB 61 SEFYLSDCNVTSRPCKYKLLKSTNFCVTCENAPVHFVGVC 104

RESULT 3  
US-08-875-811-63  
Sequence 63, Application US/08875811  
Patent No. 6045793  
GENERAL INFORMATION:  
APPLICANT: Rybak, Susanna M.  
APPLICANT: Newton, Dianne L.  
APPLICANT: Boque, Luis  
APPLICANT: Wlodawer, Alexander  
TITLE OF INVENTION: Recombinant Ribonuclease Proteins  
NUMBER OF SEQUENCES: 64  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA

ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/875,811  
FILING DATE: 19-FEB-1998  
CLASSIFICATION: 435  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/US97/02588  
FILING DATE: 19-FEB-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/011,800  
FILING DATE: 21-FEB-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Paris, Susan K.  
REGISTRATION NUMBER: 41,739  
REFERENCE/DOCKET NUMBER: 015280-24410005  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ-IDENT:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 129 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-875-811-63

Query Match 95.0%; Score 547; DB 3; Length 129;  
Best Local Similarity 95.2%; Pred. No. 2.9e-59;  
Matches 99; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 QDWLTFQKKHLLNTRDVDCNIIIMSTNLFHCKDKNFTIYSRPEPVKAICKGIASKNVLT 60  
DB 26 QDWLTFQKKHLLNTRDVDCNIIIMSTNLFHCKDKNFTIYSRPEPVKAICKGIASKNVLT 85  
QY 61 SEFYLSDCNVTSRPCKYKLLKSTNFCVTCENAPVHFVGVC 104  
DB 86 SEFYLSDCNVTSRPCKYKLLKSTNFCVTCENAPVHFVGVC 129

RESULT 4  
US-08-875-811-43  
Sequence 43, Application US/08875811  
Patent No. 6045793  
GENERAL INFORMATION:  
APPLICANT: Rybak, Susanna M.  
APPLICANT: Newton, Dianne L.  
APPLICANT: Boque, Luis  
APPLICANT: Wlodawer, Alexander  
TITLE OF INVENTION: Recombinant Ribonuclease Proteins  
NUMBER OF SEQUENCES: 64  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/875,811  
FILING DATE: 19-FEB-1998  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: WO PCT/US97/02588  
 FILING DATE: 19-FEB-1997  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 60/011,800  
 FILING DATE: 21-FEB-1996  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Faris, Susan K.  
 REGISTRATION NUMBER: 41,739  
 REFERENCE/DOCKET NUMBER: 015280-24100US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (415) 576-0200  
 TELEFAX: (415) 576-0300  
 INFORMATION FOR SEQ ID NO: 43:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 379 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-875-811-43

Query Match 95.0%; Score 547; DB 3; Length 379;  
 Best Local Similarity 95.2%; Pred. No. 1.2e-58;  
 Matches 99; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

OY 1 QDWLTFQKKHLNTRDVCNIMSTNLFHCKDKNTFIYSRPEPKAICKGIASKNVLT 60  
 Db 26 QDWLTFQKKHLNTRDVCNIMSTNLFHCKDKNTFIYSRPEPKAICKGIASKNVLT 85  
 OY 61 SEFYLSDCNVTSRPCKYKLRKSTNFCVTCENQAPVHFVGVGHC 104  
 Db 86 SEFYLSDCNVTSRPCKYKLRKSTNFCVTCENQAPVHFVGVGSC 129

RESULT 5  
 US-08-283-971-1  
 Sequence 1, Application US/08283971  
 Patent No. 5529775  
 GENERAL INFORMATION:  
 APPLICANT: Ardelt Ph.D, Wojciech J.  
 APPLICANT: Mikulski, Stanislaw M.  
 TITLE OF INVENTION: PHARMACEUTICAL FOR TREATING TUMORS IN HUMANS  
 NUMBER OF SEQUENCES: 1  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Mark H. Jay, P.C.  
 STREET: P.O. Box 020083, General Post Office  
 CITY: Brooklyn  
 STATE: New York  
 COUNTRY: USA  
 ZIP: 11202-0002  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentln Release #1.24  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/283,971  
 FILING DATE:  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/921,180  
 FILING DATE: 30-JUL-1992  
 APPLICATION NUMBER: US 07/178,118  
 FILING DATE: 06-APR-1988  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/436,141  
 FILING DATE: 13-NOV-1989  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Jay, Mark H.  
 REGISTRATION NUMBER: 27507  
 REFERENCE/DOCKET NUMBER: 5006 US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 718-625-0399

TELEFAX: 718-625-0399  
 TELEX: No. 5529775 Applicable  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 104 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 HYPOTHETICAL: N  
 ANTI-SENSE: N  
 FRAGMENT TYPE: N-terminal  
 ORIGINAL SOURCE:  
 ORGANISM: Rana pipiens  
 DEVELOPMENTAL STAGE: Embryo  
 US-08-283-971-1

Query Match 94.4%; Score 544; DB 1; Length 104;  
 Best Local Similarity 94.2%; Pred. No. 5.1e-59;  
 Matches 98; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

OY 1 QDWLTFQKKHLNTRDVCNIMSTNLFHCKDKNTFIYSRPEPKAICKGIASKNVLT 60  
 Db 1 EDWLTFQKKHLNTRDVCNIMSTNLFHCKDKNTFIYSRPEPKAICKGIASKNVLT 60  
 OY 61 SEFYLSDCNVTSRPCKYKLRKSTNFCVTCENQAPVHFVGVGHC 104  
 Db 61 SEFYLSDCNVTSRPCKYKLRKSTNFCVTCENQAPVHFVGVGSC 104

RESULT 6  
 US-07-921-619-1  
 Sequence 1, Application US/07921619  
 Patent No. 5595734  
 GENERAL INFORMATION:  
 APPLICANT: Ardelt Ph.D, Wojciech J.  
 APPLICANT: Mikulski, Stanislaw M.  
 TITLE OF INVENTION: PHARMACEUTICAL FOR TREATING TUMORS IN HUMANS  
 NUMBER OF SEQUENCES: 1  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Mark H. Jay, P.C.  
 STREET: P.O. Box 020083, General Post Office  
 CITY: Brooklyn  
 STATE: New York  
 COUNTRY: USA  
 ZIP: 11202-0002  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentln Release #1.24  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/07/921,619  
 FILING DATE: 19920728  
 CLASSIFICATION: 530  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/178,118  
 FILING DATE: 06-APR-1988  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/436,141  
 FILING DATE: 13-NOV-1989  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Jay, Mark H.  
 REGISTRATION NUMBER: 27507  
 REFERENCE/DOCKET NUMBER: 5005 US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 718-625-0399  
 TELEFAX: 718-625-0399  
 TELEX: No. 5595734 Applicable  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 104 amino acids

TYPE: AMINO ACID  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: N  
ANTI-SENSE: N  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: Rana pipiens  
DEVELOPMENTAL STAGE: Embryo  
US-07-921-619-1

Query Match 94.4%; Score 544; DB 1; Length 104;  
Best Local Similarity 94.2%; Pred. No. 5.1e-59;  
Matches 98; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 QDMLTQKKHILNTROVDCNIIIMSTNLFHCKDKNTFIYSRPEVKAICKIISKVLT 60  
DB 1 EDMLTQKKHILNTROVDCNIIIMSTNLFHCKDKNTFIYSRPEVKAICKIISKVLT 60

QY 61 SEFYLSDCNVTSPRCYKYLKSTNFCVTCENQAPVHFVGHC 104  
DB 61 SEFYLSDCNVTSPRCYKYLKSTNFCVTCENQAPVHFVGSC 104

RESULT 7  
US-08-467-955-1  
Sequence 1, Application US/08467955

PATENT No. 5728805  
GENERAL INFORMATION:  
APPLICANT: Adelt Ph.D, Wojciech J.  
TITLE OF INVENTION: PHARMACEUTICALS AND METHOD FOR MAKING THEM  
NUMBER OF SEQUENCES: 2  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Mark H. Jay, P.A.  
STREET: P.O. Box E  
CITY: Short Hills  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07078-0383  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.24  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/467,955  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/178,118  
FILING DATE: 06-APR-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/436,141  
FILING DATE: 13-NOV-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/814,332  
FILING DATE: 03-FEB-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/283,970  
FILING DATE: 01-AUG-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Jay, Mark H.  
REGISTRATION NUMBER: 27507  
REFERENCE/DOCKET NUMBER: 5007 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-912-9066  
TELEFAX: 201-912-0442  
TELEX: No. 5728805 Applicable  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 104 amino acids

TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: N  
ANTI-SENSE: N  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: Rana pipiens  
DEVELOPMENTAL STAGE: Oocyte  
US-08-467-955-1

Query Match 94.4%; Score 544; DB 1; Length 104;  
Best Local Similarity 94.2%; Pred. No. 5.1e-59;  
Matches 98; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 QDMLTQKKHILNTROVDCNIIIMSTNLFHCKDKNTFIYSRPEVKAICKIISKVLT 60  
DB 1 EDMLTQKKHILNTROVDCNIIIMSTNLFHCKDKNTFIYSRPEVKAICKIISKVLT 60

QY 61 SEFYLSDCNVTSPRCYKYLKSTNFCVTCENQAPVHFVGHC 104  
DB 61 SEFYLSDCNVTSPRCYKYLKSTNFCVTCENQAPVHFVGSC 104

RESULT 8  
US-08-891-848-13  
Sequence 13, Application US/08891848

PATENT No. 5955073  
GENERAL INFORMATION:  
APPLICANT: Rybak, Susanna M.  
APPLICANT: Youle, Richard J.  
APPLICANT: Newton, Dianne L.  
APPLICANT: Nicholls, Peter J.  
TITLE OF INVENTION: Selective RNase Cytotoxic Reagents  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/891,848  
FILING DATE: No. 5955073 yet assigned  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/125,462  
FILING DATE: 22-SEP-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/014,082  
FILING DATE: 04-FEB-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/779,195  
FILING DATE: 22-OCT-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/510,696  
FILING DATE: 20-APR-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: Weber, Ellen Lauver  
REGISTRATION NUMBER: 32,762  
REFERENCE/DOCKET NUMBER: 015280-110310US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 13:

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QY      1 QDWLTFQKHLTNTRDVDCNIINSTNLFPCDKDNFIYSRREPVAICIGIASKNVLT 60
      :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db    252 EDWLTFQKHITNTRDVDCDNIMSTNLFPCDKDNFIYSRREPVAICIGIASKNVLT 311

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QY 61 SEFYLSDCNVTSRPCKYKLLKSTNTEFCVTCENQAPVHFVGVGHC 104  
DB 312 SEFYLSDCNVTSRPCKYKLLKSTNTEFCVTCENQAPVHFVGVGSC 355

## RESULT 11

US-08-875-811-51  
; Sequence 51, Application US/08875811  
; Patent No. 6045793  
; GENERAL INFORMATION:  
; APPLICANT: Rybak, Susanna M.  
; APPLICANT: Newton, Dianne L.  
; APPLICANT: Bogue, Luis  
; APPLICANT: Wlodawer, Alexander  
; TITLE OF INVENTION: Recombinant Ribonuclease Proteins  
; NUMBER OF SEQUENCES: 64  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/875,811  
; FILING DATE: 19-FEB-1998  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: WO PCT/US97/02588  
; FILING DATE: 19-FEB-1997  
; PRIORITY APPLICATION DATA:  
; APPLICATION NUMBER: US 60/011,800  
; FILING DATE: 21-FEB-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Paris, Susan K.  
; REGISTRATION NUMBER: 41,739  
; REFERENCE/DOCKET NUMBER: 015280-2441000US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 51:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 358 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-875-811-51

Query Match 94.4%; Score 544; DB 3; Length 358;  
Best Local Similarity 94.2%; Pred. No. 2.5e-58;  
Matches 98; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 ODLTFQKKHLLTNRDVCNLTIMSTNLFHCKDKNTFTYSRPEPVKAICKGIASKNVLT 60  
DB 2 EDLTFQKKHLLTNRDVCNLTIMSTNLFHCKDKNTFTYSRPEPVKAICKGIASKNVLT 61  
QY 61 SEFYLSDCNVTSRPCKYKLLKSTNTEFCVTCENQAPVHFVGVGHC 104  
DB 62 SEFYLSDCNVTSRPCKYKLLKSTNTEFCVTCENQAPVHFVGVGSC 105

## RESULT 12

US-08-875-811-1  
; Sequence 1, Application US/08875811  
; Patent No. 6045793  
; GENERAL INFORMATION:  
; APPLICANT: Rybak, Susanna M.

APPLICANT: Newton, Dianne L.  
APPLICANT: Bogue, Luis  
APPLICANT: Wlodawer, Alexander  
TITLE OF INVENTION: Recombinant Ribonuclease Proteins  
NUMBER OF SEQUENCES: 64  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/875,811  
FILING DATE: 19-FEB-1998  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/US97/02588  
FILING DATE: 19-FEB-1997  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US 60/011,800  
FILING DATE: 21-FEB-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Paris, Susan K.  
REGISTRATION NUMBER: 41,739  
REFERENCE/DOCKET NUMBER: 015280-2441000US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 104 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..104  
OTHER INFORMATION: /label=nonc  
OTHER INFORMATION: /note="native ONCONASE (registered trademark) from Rana pipiens"  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 1  
OTHER INFORMATION: /note="Xaa - pyroglutamic acid"  
US-08-875-811-1

Query Match 94.1%; Score 542; DB 3; Length 104;  
Best Local Similarity 95.1%; Pred. No. 8.9e-59;  
Matches 98; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 2 DWLTFQKKHLLTNRDVCNLTIMSTNLFHCKDKNTFTYSRPEPVKAICKGIASKNVLT 61  
DB 2 DWLTFQKKHLLTNRDVCNLTIMSTNLFHCKDKNTFTYSRPEPVKAICKGIASKNVLT 61  
QY 62 EFLYLSDCNVTSRPCKYKLLKSTNTEFCVTCENQAPVHFVGVGHC 104  
DB 62 EFLYLSDCNVTSRPCKYKLLKSTNTEFCVTCENQAPVHFVGVGSC 104

## RESULT 13

US-08-875-811-28  
; Sequence 28, Application US/08875811  
; Patent No. 6045793  
; GENERAL INFORMATION:  
; APPLICANT: Rybak, Susanna M.

```

ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentia Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02588
FILING DATE: 19-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/011,800
FILING DATE: 21-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Paris, Susan K.
REGISTRATION NUMBER: 41,739
REFERENCE/DOCKET NUMBER: 015280-244100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 107 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
OS-08-875-811-30

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	Query Match	94.1%	Score 542;	DB 3:	Length 107;
	Best Local Similarity	95.1%;	Pred. No.	9.2e-59;	
	Matches	98;	Conservative	2;	Mismatches 3; Indels 0; Gaps 0;
QY	2 DWLFEOKKHLNTRDVCDDNIIMSTLLFHCCKKNPFYSRPEPVKAICKGIISKNVLTTS	61			
Db	5 DMLTFQKKHINTRDVDCDNIMSTLLFHCCKKNPFYSRPEPVKAICKGIISKNVLTTS	64			
QY	62 EFLVSDCNVTSRPCKYKLKKSNTFFCVSCENADAPVHFVGSHC	104			
Db	65 EFVLSDCNVTSRPCKYKLKKSNTFFCVSCENADAPVHFVGSGC	107			

RESULT 15  
 US-08-875-811-32  
 : Sequence 32, Application US/08875811  
 : Patent No. 6045793  
 :  
 : GENERAL INFORMATION:  
 :  
 : APPLICANT: Rybak, Susanne M.  
 : APPLICANT: Newton, Dianne L.  
 : APPLICANT: Bogue, Luis  
 : APPLICANT: Wlodawer, Alexander  
 : TITLE OF INVENTION: Recombinant Ribonuclease Proteins  
 : NUMBER OF SEQUENCES: 64  
 :  
 : CORRESPONDENCE ADDRESSES:  
 : ADDRESSEE: Townsend and Townsend and Crew LLP  
 : STREET: Two Embarcadero Center, Eighth Floor  
 : CITY: San Francisco  
 : STATE: California  
 : COUNTRY: USA  
 : ZIP: 94111-3834  
 :  
 : COMPUTER READABLE FORM:  
 : MEDIUM TYPE: Floppy disk  
 : COMPUTER: IBM PC compatible  
 : OPERATING SYSTEM: PC-DOS/MS-DOS  
 : SOFTWARE: Patentin Release #1.0, Version #1.30  
 : CURRENT APPLICATION DATA:  
 : APPLICATION NUMBER: US/08/875,811  
 : FILING DATE: 19-FEB-1998  
 : CLASSIFICATION: 435  
 : PRIOR APPLICATION DATA:

APPLICATION NUMBER: NO PCT/US97/02588  
 FILING DATE: 19-FEB-1997  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 60/011,800  
 FILING DATE: 21-FEB-1996  
 ATTORNEY/AGENT INFORMATION:  
 NAME: FARRIS, Susan K.  
 REGISTRATION NUMBER: 41,739  
 REFERENCE/DOCKET NUMBER: 015280-244100US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (415) 576-0200  
 TELEFAX: (415) 576-0300  
 INFORMATION FOR SEQ. ID NO.: 32:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 112 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-875-811-32

Query Match 94.1%; Score 542; DB 3; Length 112;  
 Best Local Similarity 95.1%; Pred. No. 9, 8e-59;  
 Matches 98; Conservative 2; Mismatches 3; Indels 0; Gaps 0;  
 QY 2 DWLTFQKKHLTNTRDVDCNINIMSTNLFHCKDKNTFIYSRPEPVKAICGIIASKNVLTTTS 61  
 DB 10 DWLTFQKKHITNTRDVDCNINIMSTNLFHCKDKNTFIYSRPEPVKAICGIIASKNVLTTTS 69  
 QY 62 EFLISDCNVTSRPCKYKTKKSTNTFCVTGCENQAPVHFVGSGHC 104  
 DB 70 EFLISDCNVTSRPCKYKTKKSTNTFCVTGCENQAPVHFVGSGSC 112

Search completed: August 9, 2002, 20:04:44  
 Job time: 147 sec